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DoS and authentication in wireless public access networks

September 2002

Daniel B. Faria, David R. Cheriton WiSE '02: Proceedings of the 1st ACM workshop on Wireless security

Publisher: ACM

Full text available: Pdf (272.24 KB)

Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 11, Downloads (12 Months): 188, Citation Count: 6

As WEP has been shown to be vulnerable to multiple attacks, a huge effort has been placed on specifying an access control mechanism to be used in wireless installations. However, properties of the wireless environment have been exploited to perform multiple ...

Keywords: DoS, security, wireless networks

### 2 A peer-to-peer approach to wireless LAN roaming

Elias C. Efstathiou, George C. Polyzos

September WMASH 03: Proceedings of the 1st ACM international workshop on Wireless mobile applications and services on WLAN hotspots

Publisher: ACM

Full text available: Pdf (279.70 Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 100, Citation Count: 3

We make the case for a Global Confederation of Peer-to-Peer (P2P) Wireless Local Area Networks. A P2P Wireless Network Confederation (P2PWNC) is a community of administrative domains that offer wireless Internet access to each other's registered users. ...

Keywords: P2P, WISP, WLAN, Wi-Fi, incentives, mixes, privacy, roaming

### 3 Wireless hotspots: current challenges and future directions

Anand Balachandran, Geoffrey M. Voelker, Paramvir Bahl

September WMASH '03: Proceedings of the 1st ACM international workshop on Wireless mobile applications and services on WLAN hotspots

Publisher: ACM

Full text available: Pdf (117.89 Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 23, Downloads (12 Months): 184, Citation Count: 5

In recent years, wireless Internet service providers (WISPs) have established Wi-Fi hotspots in increasing numbers at public venues, providing local coverage to traveling users and empowering them with the ability to access email, Web, and other Internet ...

#### 4 Middleware for context sensitive mobile applications

K. A. Hawick, H. A. James

January ACSW Frontiers '03: Proceedings of the Australasian information security workshop conference on ACSW frontiers 2003 - Volume 21, Volume 21

Publisher: Australian Computer Society, Inc.

Full text available: Pdf (916.67 Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 74, Citation Count: 2

Contextual information such as spatial location can significantly enhance the utility of mobile applications. We introduce the concept of active preferences that represent a combination of user preference information and choices combined with spatial ...

Keywords: location context, middleware, mobile devices, personal context

## 5 Securing IPv6 neighbor and router discovery

Jari Arkko, Tuomas Aura, James Kempf, Vesa-Matti Māntylā, Pekka Nikander, Michael

September WiSE '02: Proceedings of the 1st ACM workshop on Wireless security 2002

Publisher: ACM

Full text available: First (113.58 Additional Information: <u>full citation, abstract, references, cited by.</u>

KB) index terms

Bibliometrics: Downloads (6 Weeks): 12, Downloads (12 Months): 143, Citation Count: 6 When IPv6 Neighbor and Router Discovery functions were defined, it was assumed that the local link would consist of mutually trusting nodes. However, the recent developments in public wireless networks, such as WLANs, have radically changed the situation. ...

Keywords: autoconfiguration, detection, duplicate address, identity-based cryptosystems, neighbor discovery, router discovery

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